

Appl. No. 09/380,310

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July 26, 2004

Reply to Office Action of January 27, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application.

Listing of Claims:

1. **(Previously Presented)** An oral medicine composition preventing an unpleasant taste, said medicine composition comprising:

a mixture of a basic medicine having an unpleasant taste and an acidic polysaccharide;

wherein said basic medicine and acidic polysaccharide are in intimate contact in order to form an electric interaction and to prevent the basic medicine from dissolving in saliva.

2. **(Previously Presented)** The medicine composition according to Claim 1, wherein the acidic polysaccharide is at least one selected from the group consisting of carrageenan, chondroitin sulfate, dextran sulfate, alginic acid, gerun gum, xanthan gum and salts thereof.

3. **(Original)** The medicine composition according to Claim 1 wherein the basic medicine having the unpleasant taste is an antibiotic substance, a dementia medicine, an antiplatelet medicine, an antidepressive medicine, a medicine for improving metabolism of a brain circulation, or an antiallergic medicine.

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4. (Original) The medicine composition according to Claim 1 wherein the basic medicine having the unpleasant taste is donepezil hydrochloride.

5. (Canceled)

6. (Previously Presented) The medicine composition according to Claim 1, wherein the medicine composition comprises said acidic polysaccharide in an amount of 0.1 to 20 parts by weight with respect to 1 part by weight of the basic substance having the unpleasant taste.

7. (Original) The composition according to Claim 1 wherein the medicine is a granule medicine, a fine granule medicine, a powder medicine, a liquid medicine, a syrup medicine or a jelly medicine.

8. (Previously Presented) A method for preventing an unpleasant taste, said method comprising:

blending an acidic polysaccharide with a basic medicine having an unpleasant taste,

wherein said basic medicine and acidic polysaccharide are in intimate contact in order to form an electric interaction and to prevent the basic medicine from dissolving in saliva.

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9. **(Previously Presented)** The method according to claim 8, wherein the acidic polysaccharide is at least one selected from the group consisting of carrageenan, chondroitin sulfate, dextran sulfate, alginic acid, gerun gum, xanthan gum and salts thereof.

10. **(Previously Presented)** The method according to claim 8 wherein the basic medicine having the unpleasant taste is an antibiotic, an antidementia medicine, an antiplatelet medicine, an antidepressive medicine, a medicine for improving metabolism of a brain circulation, or an antiallergic medicine.

11. **(Previously Presented)** The method according to claim 8 wherein the basic medicine having the unpleasant taste is donepezil hydrochloride.

12. **(Canceled)**

13. **(Previously Presented)** The method according to claim 8, wherein the acidic polysaccharide is contained in an amount of 0.1 to 20 parts by weight with respect to 1 part by weight of the basic substance having the unpleasant taste.

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14. **(Previously Presented)** The method according to claim 8 wherein the medicine is granules, fine granules, powders, liquids, syrups or jellies.

15. **(Previously Presented)** An oral medicine composition preventing an unpleasant taste which comprises a homogenous blend of a basic medicine having an unpleasant taste and an acidic polysaccharide, wherein said basic medicine and acidic polysaccharide are in intimate contact in order to form an electric interaction and to prevent the basic medicine from dissolving in saliva.

16. **(Previously Presented)** The medicine composition according to claim 15, wherein the acidic polysaccharide is at least one selected from the group consisting of carrageenan, chondroitin sulfate, dextran sulfate, alginic acid, gerun gum, xanthan gum and salts thereof.

17. **(Previously Presented)** The medicine composition according to claim 15 wherein the basic medicine having the unpleasant taste is an antibiotic, an antidementia medicine, an antiplatelet medicine, an antidepressive medicine, a medicine for improving metabolism of a brain circulation, or an antiallergic medicine.

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18. (Previously Presented) The medicine composition according to claim 15 wherein the basic medicine having the unpleasant taste is donepezil hydrochloride.

19. (Canceled)

20. (Previously Presented) The medicine composition according to claim 15, wherein the acidic polysaccharide is contained in an amount of 0.1 to 20 parts by weight with respect to 1 part by weight of the basic substance having the unpleasant taste.

21. (Previously Presented) The medicine composition according to claim 15 wherein the medicine is granules, fine granules, powders, liquids, syrups or jellies.

22. (Previously Presented) An oral medicine preventing an unpleasant taste which comprises a mixture of a basic medicine having an unpleasant taste and an acidic polysaccharide,

wherein said basic medicine and acidic polysaccharide are in intimate contact in order to form an electric interaction and to prevent the basic medicine from dissolving in saliva;

said acidic polysaccharide is at least one selected from the group

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consisting of carrageenan, chondroitin sulfate, dextran sulfate, alginic acid, gerun gum, xanthan gum and salts thereof;

said acidic polysaccharide is in an amount of 0.1 to 20 parts by weight with respect to 1 part by weight of the basic substance having the unpleasant taste.

23. (Previously Presented) The medicine composition according to claim 22, wherein the basic medicine having the unpleasant taste is donepezil hydrochloride.

24. (Canceled)

25. (Previously Presented) A method for preventing an unpleasant taste which comprises the step of blending an acidic polysaccharide with a basic medicine having an unpleasant taste,

wherein said basic medicine and acidic polysaccharide are in intimate contact in order to form an electric interaction and to prevent the basic medicine from dissolving in saliva;

said acidic polysaccharide is at least one selected from the group consisting of carrageenan, chondroitin sulfate, dextran sulfate, alginic acid, gerun gum, xanthan gum and salts thereof;

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said acidic polysaccharide is in an amount of 0.1 to 20 parts by weight with respect to 1 part by weight of the basic substance having the unpleasant taste.

26. (**Previously Presented**) The method according to claim 25, wherein the basic medicine having the unpleasant taste is donepezil hydrochloride.

27. (**Canceled**)

28. (**Previously Presented**) An oral medicine preventing an unpleasant taste which comprises a mixture of a basic medicine having an unpleasant taste and an acidic polysaccharide;

wherein said basic medicine and acidic polysaccharide are in intimate contact in order to form an electric interaction and to prevent the basic medicine from dissolving in saliva,

said acidic polysaccharide is at least one selected from the group consisting of chondroitin sulfate, dextran sulfate, alginic acid, gerun gum, xanthan gum and salts thereof, and

said acidic polysaccharide is in an amount of 0.1 to 20 parts by weight with respect to 1 part by weight of the basic substance having an unpleasant taste.

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29. (**Previously Presented**) An oral medicinal preparation consisting essentially of a basic medicine having an unpleasant taste, a filler and an acidic polysaccharide;

wherein said basic medicine and acidic polysaccharide are in intimate contact in order to form an electric interaction and to prevent the basic medicine from dissolving in saliva,

said acidic polysaccharide is at least one selected from the group consisting of chondroitin sulfate, dextran sulfate, alginic acid, gerun gum, xanthan gum and salts thereof, and

said acidic polysaccharide is in an amount of 0.1 to 20 parts by weight with respect to 1 part by weight of the basic substance having the unpleasant taste.

30. (**Previously Presented**) An oral medicinal preparation consisting of a basic medicine having an unpleasant taste, a filler and an acidic polysaccharide;

wherein said basic medicine and acidic polysaccharide are in intimate contact in order to form an electric interaction and to prevent the basic medicine from dissolving in saliva;

said acidic polysaccharide is at least one selected from the group consisting of chondroitin sulfate, dextran sulfate, alginic acid, gerun gum, xanthan gum and salts thereof, and

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said acidic polysaccharide is in an amount of 0.1 to 20 parts by weight with respect to 1 part by weight of the basic substance having the unpleasant taste.

31-32. (Canceled)

33. (Previously Presented) The oral medicinal preparation according to Claim 29, wherein the acidic polysaccharide is at least one selected from the group consisting of ι-carrageenan, κ-carrageenan, λ-carrageenan, dextran sulfate and a salt thereof.

34. (Previously Presented) The medicine composition according to Claim 1, wherein the acidic polysaccharide is at least one selected from the group consisting of ι-carrageenan, κ-carrageenan, λ-carrageenan, dextran sulfate and a salt thereof.

35. (Previously Presented) The oral medicinal preparation according to Claim 29, wherein the basic medicine is donepezil hydrochloride and said acidic polysaccharide is carrageenan.

36. (Previously Presented) The medicine composition according to Claim 1, wherein the basic medicine is donepezil hydrochloride and said acidic polysaccharide is carrageenan.

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37. (**Currently Amended**) The medicine composition according to Claim 1,

wherein said basic medicine is selected from the group consisting of chiclopidine hydrochloride, maprotyrine hydrochloride, iphenbrozyl tertrate, berberine hydrochloride, digitoxin, sulpirin, azerastine hydrochloride, ethylefurine hydrochloride, zirthiazem hydrochloride, propranolol hydrochloride, chloramphenicol, aminophylline, erythromycin, ~~phenobarbital~~, phenobarbital, calcium pantothenic acid, indeloxadine hydrochloride, aminoguanidine hydrochloride, ~~donepezyl~~ donepezil hydrochloride and cephcapene hydrochloride; and

said acidic polysaccharide is at least one selected from the group consisting of carrageenan, chondroitin sulfate, dextran sulfate, alginic acid, gerun gum, xanthan gum and salts thereof.

38. (**Currently Amended**) The medicine composition according to Claim 15,

wherein said basic medicine is selected from the group consisting of chiclopidine hydrochloride, maprotyrine hydrochloride, iphenbrozyl tertrate, berberine hydrochloride, digitoxin, sulpirin, azerastine hydrochloride, ethylefurine hydrochloride, zirthiazem hydrochloride, propranolol hydrochloride, chloramphenicol, aminophylline, erythromycin, ~~phenobarbital~~, phenobarbital, calcium pantothenic acid, indeloxadine

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hydrochloride, aminoguanidine hydrochloride, ~~donepezyl~~ donepezil hydrochloride and cephcapene hydrochloride; and

said acidic polysaccharide is at least one selected from the group consisting of carrageenan, chondroitin sulfate, dextran sulfate, alginic acid, gerun gum, xanthan gum and salts thereof.

39. (Previously Presented) The oral medicine composition according to claim 1, wherein the composition has 0.1 to 20 parts by weight of the acidic polysaccharide with respect to 1 part by weight of the basic substance having the unpleasant taste.

40. (Previously Presented) The oral medicine composition according to claim 37, wherein the composition has 0.5 to 10 parts by weight of the acidic polysaccharide with respect to 1 part by weight of the basic substance having the unpleasant taste.

41. (Previously Presented) A method for manufacturing an oral medicine composition comprising a mixture of a basic medicine having an unpleasant taste and an acidic polysaccharide, said method comprising:

blending said acidic polysaccharide with said basic medicine to obtain said oral medicine composition;

wherein said basic medicine and acidic polysaccharide are in intimate contact in order to form an electric interaction and to prevent the basic

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medicine from dissolving in saliva.

42. (Previously Presented) The method of claim 41, wherein said acidic polysaccharide is in an amount of 0.1 to 20 parts by weight with respect to 1 part by weight of the basic medicine; and

said acidic polysaccharide is at least one selected from the group consisting of carrageenan, chondroitin sulfate, dextran sulfate, alginic acid, gerun gum, xanthan gum and salts thereof.

43. (New) An oral medicine composition preventing an unpleasant taste, said medicine composition comprising:

a mixture consisting essentially of a basic medicine having an unpleasant taste and

an acidic polysaccharide;

wherein said basic medicine and acidic polysaccharide are in intimate contact in order to form an electric interaction and to prevent the basic medicine from dissolving in saliva.